

June 9, 2005



VIA CERTIFIED MAIL

Mary Logan
U S EPA Region V (SR-6J)
77 W Jackson Boulevard
Chicago, IL 60604-3590

RUTGERS Organics Corporation

Sheila Abraham
Ohio EPA - NE District Office
Div Of Emergency & Remedial Response
2110 East Aurora Road
Twinsburg, OH 44087

Ray Beaumier
Ohio EPA
P O Box 1049
Lazarus Government Center Office
122 South Front Street
Columbus, OH 43216-1049

**Re: MAY 2005 MONTHLY REPORT
RI/FS & REMOVAL ACTION
NEASE CHEMICAL SITE
SALEM, OHIO**

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the May 2005 RI/FS Progress Report

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed November 17, 1993, attached is a copy of the May 2005 Removal Action Progress Report

Please contact us if you have any questions regarding activities discussed in these reports

Sincerely,

A handwritten signature in black ink that reads "Rainer Domalski". The signature is cursive and fluid.

Dr Rainer F Domalski
Manager Remediation Projects

Enclosure

cc. M Hardy – Thompson Hine
Steve Finn – Golder Associates, Inc

060905

201 Struble Road
State College, PA 16801

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Member of the RUTGERS Chemicals Group



NEASE CHEMICAL SITE, SALEM, OHIO
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
MONTHLY PROGRESS REPORT
MAY 2005

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent regarding a Remedial Investigation/Feasibility Study of the Nease Chemical Site in Salem, Ohio. The report summarizes the major RI/FS actions during the month along with investigation results and any problems encountered in the project. Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 PROJECT ACTIVITY SUMMARY

The activities that were initiated and/or completed during the month are described. All activities were performed in accordance with the detailed protocol provided in the approved Work Plan.

2.2 FIELDWORK

No fieldwork occurred during this month.

2.3 REPORTS

2.3.1 REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)

US EPA Region V published the Proposed Remedial Action Plan (PRAP) for OU-2 (onsite) by the end of May. The agency also announced that the 30-day public comment period started on June 1, 2005. The public meeting is set for June 22, 2005 in Salem.

The next steps regarding OU-3 (Feeder Creek, Middle Fork of Little Beaver Creek) were discussed in a meeting on March 16, 2005, including potentially necessary sampling (fish, sediment, flood plain) and a time schedule for a FS. The next meeting is scheduled for June 14, 2005.

2.4 MEETINGS

No meeting occurred during this month.

3.0 VARIATIONS FROM THE APPROVED RI/FS WORK PLAN

No variations from the approved Work Plans occurred during the month.

4.0 RESULTS OF SAMPLING, TESTS AND ANALYSES

No sampling was conducted during this month.

5.0 PROJECT SCHEDULE

The current Work Plan schedule identifies completion and target dates for project activities. Those scheduled to occur over the next several months include:

- Feasibility Study OU-3 (Feeder Creek, Middle Fork of Little Beaver Creek)

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

No significant difficulties were encountered

7.0 PERSONNEL CHANGES

No personnel changes occurred during this month

8.0 ANTICIPATED PROJECT ACTIVITIES FOR JUNE 2005

- Monthly Progress Report May 2005
- Develop strategy for upcoming FS for OU-3 (Feeder Creek/Middle Fork of Little Beaver Creek)

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TABLE 1
NEASE CHEMICAL SITE, SALEM, OHIO
RI/FS SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
August 30, 2004	US EPA Region V/ OEPA approve Endangerment Assessment
September 1, 2004	Draft Feasibility Study (OU-2) submitted to the agencies for review
September 9, 2004	Submit Monthly Progress Report
September 13, 2004	Submit Final Revision to Endangerment Assessment
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
November 22, 2004	Received Agencies' comments for draft FS (OU-2)
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 1, 2005	Final Draft Feasibility Study (OU-2) submitted to agencies for review
March 4, 2005	Submit Monthly Progress Report
April 8, 2005	Submit Monthly Progress Report
April 21, 2005	US EPA Region V/OEPA approve Final Feasibility Study for OU-2
May 9, 2005	Submit Monthly Progress Report
May 31, 2005	US EPA Region V published the Proposed Remedial Action the OU-2 (onsite)
June 9, 2005	Submit Monthly Progress Report

NEASE CHEMICAL SITE, SALEM, OHIO
REMOVAL ACTION
MONTHLY PROGRESS REPORT
MAY 2005

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No V-W-94-C-212, effective November 17, 1993, regarding a Removal Action for the Nease Chemical Site in Salem, Ohio. The report summarizes the major activities during the month along with investigation results and any problems encountered on the project. Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 PROJECT ACTIVITY

The activities that were initiated and/or completed during this month are described below. Activities were performed in accordance with the Removal Action AOC.

2.2 WORK PLAN PREPARATION/REPORTS

No work plans/reports were submitted this period.

2.3 FIELDWORK

2.3.1 SITE INSPECTIONS

The results of the monthly site inspection carried out at the site on May 27, 2005 are shown in Attachment 1.

2.3.2 MONTHLY WATER LEVEL MEASUREMENTS

Water level measurements were taken on May 21, 2005 (see Attachment 2).

2.3.3 TREATMENT PLANT OPERATION

The treatment plant operated mostly normal throughout the month.

2.4.1.1 MEETINGS

No meeting occurred during this month.

3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN

There were no variations from the approved Removal Action Work Plan for the month.

4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES

Water monitoring samples were collected from the treatment plant on May 3, 2005 (see Attachments 3; Lab: Oxygen Research). The mid-May sampling results were not be available at this time and will be included in the next monthly report. Also attached are the sampling results from April 19, 2005 which were available for the last monthly report (see Attachment 4).

5.0 PROJECT SCHEDULE

The updated Work Plan schedule identifies completion and target dates for project activities

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

As result of an OEPA site inspection in April 2004 and the overflow of the GWTP influent tank in June 2004 ROC has proposed some modification of the groundwater treatment system US EPA Region V and OEPA approved the proposed changes Golder, ROC's consultant, is currently preparing the detailed design that will be subject to the agencies' review

7.0 PERSONNEL CHANGES

No personnel changes occurred during month

8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS

For the period from May 1 through May 31, 2005 the following material was removed

- 15,200 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility
- Approximately 121,538 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 = 17,725,813 gal)
- Approximately 14,528 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 1,279,656 gal).
- 5 gallons of water were pumped from Pond 1 (total for the pond = 936,398 gallons)
- Approximately 20 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source).

9.0 ANTICIPATED PROJECT ACTIVITIES FOR JUNE 2005

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- Submittal of the design regarding planned treatment plant modifications
- Monthly Progress Report

TABLE 1
NEASE CHEMICAL SITE, SALEM, OHIO
REMOVAL ACTION SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
September 9, 2004	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 4, 2005	Submit Monthly Progress Report
April 8, 2005	Submit Monthly Progress Report
May 9, 2005	Submit Monthly Progress Report
June 9, 2005	Submit Monthly progress Report

ATTACHMENT 1

**RESULTS OF MONTHLY SITE INSPECTION
NEASE CHEMICAL SITE, SALEM, OHIO
MAY 2005**

SITE INSPECTION FORM
RUETGERS-NEASE CORPORATION
Nease Site, Salem, Ohio

Date of Inspection: 5-27-05

Entry Time: 7:00 Exit Time: 10:30

Weather: Sunny 60°

Inspector's Name: Dennis L. Lane

Inspector's Company: Howells and Baird, Inc.

INSPECTION RESULTS

SPECIFIC OBSERVATIONS: Structures

(Responses: S = Satisfactory U = Unsatisfactory Yes/No Levels Measured in Feet, N/A = Not Applicable)

	Pump	Quick Connect	Water Level	Berm Erosion	Visible Leakage
Leachate Collection System 1 (LCS-1)	S	S	7.83	N/A	No
Leachate Collection System 2 (LCS-2)	S	S	6.50	N/A	No
Pond 1 Pumphouse	S	S	8.73	N/A	No
Pond 1 Berm	N/A	N/A	N/A	No	No
Pond 2 Embankment	N/A	N/A	N/A	No	No
Exclusion Area A Embankment	N/A	N/A	N/A	No	No
Storage Tank	N/A	S	5.14	N/A	No
Other (specify)					

SPECIFIC OBSERVATIONS:

Sediment Barriers

Condition of Sediment Barriers

Barrier ID	Fabric Intact?	By-passing Evident?	Is Maintenance Necessary?
Sediment Control Structure 1	YES	No	No
Sediment Control Structure 2	YES	No	No
Fabric Barrier 2	YES	No	No
Fabric Barrier 3	YES	No	No
Fabric Barrier 4	YES	No	No
Fabric Barrier 5	YES	No	No
Fabric Barrier 8	YES	No	No
Fabric Barrier 9	YES	No	No
Fabric Barrier 10	YES	No	No
Rock Barrier 1	YES	No	No
Rock Barrier 2	YES	No	No
Pond 7 - North	YES	No	No
Pond 7 - South	YES	No	No

SPECIFIC OBSERVATIONS:

Seeps (if present, use more forms, as necessary)

Seep ID (yr-month-#)	Indicated Map	Area Evident (ft²)	Magnitude (flow/pounding)
94-7-1	YES	20	Non-Flowing SEEP
96-8-2	YES	20	Non-Flowing SEEP

Note: Seep ID # equal the "nth" observed seep during the yr-month in question.

ADDITIONAL OBSERVATION OR REMARKS:

Inspector's Name: Dennis L. LaneInspector's Signature: Dennis L. LaneDate: 5-27-05

CRANE-DEMING COMPANY.

CRANE
DEMING
SWAMP

S13

96-f-2

S1

ATTACHMENT 2

**WATER LEVEL MEASUREMENTS – MAY 21, 2005
NEASE CHEMICAL SITE, SALEM, OHIO**

Monthly Monitoring Well Water Level Measurement Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: May 21, 2005
Entry Time: 8.00

Exit Time: 4:00

Inspector's Name: Gerald Wilhelm
Inspector's Company: Howells & Baird

Inspector's Signature Gerald L. Wilhelm

Well Number	Depth to Water (feet)	Casing & Lock Intact?	Date	Comments
AUBA	27.88	Yes	05/21/05	
A-S	8.09	Yes	05/21/05	
B-S	9.07	Yes	05/21/05	
C-S	6.81	Yes	05/21/05	
CLBA	11.98	Yes	05/21/05	
CUBA	10.15	Yes	05/21/05	
D-1	22.42	Yes	05/21/05	
D-2	19.85	Yes	05/21/05	
D-3	9.68	Yes	05/21/05	
D-4	20.58	Yes	05/21/05	
D-5	31.26	Yes	05/21/05	
D-6	20.59	Yes	05/21/05	
D-7	0.00	Yes	05/21/05	
D-8	0.00	Yes	05/21/05	
D-9	13.82	Yes	05/21/05	
D-10	9.40	Yes	05/21/05	
D-11	22.27	Yes	05/21/05	
D-12	20.97	Yes	05/21/05	
D-13	29.02	Yes	05/21/05	
D-14	5.53	Yes	05/21/05	
D-15	4.94	Yes	05/21/05	
D-16	0.00	Yes	05/21/05	
D-17	3.53	Yes	05/21/05	
DLBA	0.00	Yes	05/21/05	1.9 psi
DVF2	(?)	Lid Bolted On	05/21/05	
DVF3 D-S	3.35	Yes	05/21/05	
ELBA	2.08	Yes	05/21/05	
EVF1	7.41	Yes	05/21/05	
EVF2	9.33	Yes	05/21/05	
EVF3	4.81	Yes	05/21/05	
EVF4	3.31	Yes	05/21/05	
EW-4	10.22	Yes	05/21/05	
EW-5	10.24	Yes	05/21/05	
FLBA	9.68	Yes	05/21/05	
FVF3	11.32	Yes	05/21/05	
FVF4	12.13	Yes	05/21/05	

Monthly Monitoring Well Water Level Measurement Form**Ruetgers Organics Corporation****Nease Site, Salem, Ohio****Date of Inspection:** May 21, 2005**Entry Time:** 8 00**Exit Time:** 4.00**Inspector's Name:** Gerald Wilhelm**Inspector's Company:** Howells & Baird**Inspector's Signature** Gerald L. Wilhelm

Well Number	Depth to Water (feet)	Casing & Lock Intact?	Date	Comments
FVF6	9.89	Yes	05/21/05	
GUBA	2.56	Yes	05/21/05	
H-S	5.81	Yes	05/21/05	
HUBA	15.49	Yes	05/21/05	
HVF1	14.12	Yes	05/21/05	
I-SHALE	13.91	Yes	05/21/05	
ILBA	47.49	Yes	05/21/05	
I-S	14.90	Yes	05/21/05	
IUBA	28.11	Yes	05/21/05	
JLBA	4.39	Yes	05/21/05	
JVF2	11.76	Yes	05/21/05	
JVF3	9.32	Yes	05/21/05	
JVF4	6.96	Yes	05/21/05	
KLBA	0.00	Yes	05/21/05	
KVF2	0.00	Yes	05/21/05	
KVF4 K-S	2.88	Yes	05/21/05	
LBA	21.13	Yes	05/21/05	
LVF1	9.07	Yes	05/21/05	
LVF2	16.25	Yes	05/21/05	
P-1A	5.92	Yes	05/21/05	
P-2A	6.80	Yes	05/21/05	
P-3A	7.01	Yes	05/21/05	
P-1U	36.56	Yes	05/21/05	
P-1L	32.79	Yes	05/21/05	
P-2U	29.30	Yes	05/21/05	
P-2L	35.38	Yes	05/21/05	
PZ-1	11.59	Yes	05/21/05	
PZ-2	13.54	Yes	05/21/05	
PZ-3S	9.96	Yes	05/21/05	
PZ-3M	20.88	Yes	05/21/05	
PZ-3B	16.78	Yes	05/21/05	
PZ-4S	9.70	Yes	05/21/05	
PZ-4M	17.73	Yes	05/21/05	
PZ-4B	23.53	Yes	05/21/05	
PZ-5S	3.56	Yes	05/21/05	
PZ-5M	14.05	Yes	05/21/05	

Monthly Monitoring Well Water Level Measurement Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: May 21, 2005
Entry Time: 8:00

Exit Time: 4:00

Inspector's Name: Gerald Wilhelm
Inspector's Company: Howells & Baird

Inspector's Signature Gerald L. Wilhelm

Number	Water (feet)	Lock Intact?	Date	Comments
PZ-5T	9.37	Yes	05/21/05	
PZ-5B	15.31	Yes	05/21/05	
PZ-6B-U	13.75	Yes	05/21/05	
PZ-6B-M	11.18	Yes	05/21/05	
PZ-6B-L	10.52	Yes	05/21/05	
PZ-7	5.77	Yes	05/21/05	
RW-1	21.69	Yes	05/21/05	
S-1	14.45	Yes	05/21/05	
S-2	7.37	Yes	05/21/05	
S-3	4.68	Yes	05/21/05	
S-4	3.57	Yes	05/21/05	
S-5	13.32	Yes	05/21/05	
S-6	5.76	Yes	05/21/05	
S-7	4.01	Yes	05/21/05	
S-8	2.94	Yes	05/21/05	
S-9	14.00	Yes	05/21/05	
S-10	7.62	Yes	05/21/05	
S-11	5.81	Yes	05/21/05	
S-12	2.25	Yes	05/21/05	
S-13	3.15	Yes	05/21/05	
S-14	0.36	Yes	05/21/05	
S-15	0.00	Yes	05/21/05	
S-16	11.21	Yes	05/21/05	
S-17	0.00	Yes	05/21/05	
S-18	6.73	Yes	05/21/05	
S-19	0.00	Yes	05/21/05	
SP-1	4.18	Yes	05/21/05	
SP-2	4.27	Yes	05/21/05	
SP-3	4.26	Yes	05/21/05	
SP-4	4.34	Yes	05/21/05	
SP-5	4.28	Yes	05/21/05	
SP-6	4.07	Yes	05/21/05	
LCS-1	8.89		05/21/05	
LCS-2	10.94		05/21/05	
Pond 1	8.75		05/21/05	

Site Inspection Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: 21-May-05

Inspector's Name: Gerald Wilhelm

Gerald L. Wilhelm
Inspector's Signature

5/21/05
Date

ATTACHMENT 3

**WATER SAMPLING RESULTS – MAY 3, 2005
NEASE CHEMICAL SITE, SALEM, OHIO**



Analytical Report

Page 1

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number 155

Contact: RAINER DOMALSKI

Date Received 04-MAY-05
Date Reported 20-MAY-05
Invoice Number 34924
Date Collected 03 MAY-05

Client ID INFLUENT 5-3-05

Lab ID L36237-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
AMMONIA	mg/L	73	1	EPA 350 1	18-MAY-05	STL
NITRATE+NITRITE	mg/L	< 1	1	EPA 353 2	12-MAY-05	STL
PHOSPHORUS	mg/L	< 1	1	EPA 365 2	17-MAY-05	STL

Comments <none>

Submitted by
Exygen Research
Reviewed and Approved by

Charles Simons 3058 Research Drive
Laboratory Manager State College, PA 16801, USA

T: 814.272.1039
F: 814 231.1580
exygen.com

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number 155

Contact RAINER DOMALSKI

Date Received: 04-MAY-05
Date Reported: 20-MAY-05
Invoice Number 34924
Date Collected 03-MAY 05

Client ID OUTFALL 5-3-05

Lab ID L36237-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
AMMONIA	mg/L	47	1	EPA 350 1	18-MAY-05	STL
NITRATE+NITRITE	mg/L	< 1	1	EPA 353 2	12-MAY-05	STL
PHOSPHORUS	mg/L	16	1	EPA 365 2	17-MAY-05	STL

Comments <none>

Submitted by
Exygen Research
Reviewed and Approved by



Charles Simons X 3058 Research Drive
Laboratory Manager State College, PA 16801, USA

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F. 814.231.1580
exygen.com

NARRATIVE

Exygen Research (PADEP ID# 14-347)
Project: L36237

Sample Receipt:

Samples were received on May 4, 2005. The samples were received in one sample cooler at 4.1°C.

Sample Analysis:

There were no problems related to the analysis of these samples.

Holding Times:

The samples were analyzed within holding time.

Sub-contract Laboratories:

Severn Trent Laboratories (STL) of Pittsburgh, PA (PADEP ID# 02-416) performed the ammonia nitrogen analysis on these samples. Severn Trent Laboratories (STL) of North Canton, OH (PADEP ID# 68-340) performed the phosphorus analysis on these samples.

ATTACHMENT 4

**WATER SAMPLING RESULTS – APRIL 19, 2005
NEASE CHEMICAL SITE, SALEM, OHIO**

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number 155

Contact- RAINER DOMALSKI

Date Received 20-APR-05
Date Reported 20-MAY-05
Invoice Number 34924
Date Collected 19-APR-05

Client ID INFLUENT 4-19-05

Lab ID L36214-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	0816	042	SOP 6 2	13-MAY-05	CP
PHOTOMIREX	ug/L	U 006	006	SOP 6 2	13-MAY-05	CP
MIREX	ug/L	0421	002	SOP 6 2	13 MAY-05	CP
PH	PH UNITS	7 06	0	EPA 150 1	27 APR-05	SHZ
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO (A) ANTHRACENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO (K) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
3, 4 - BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO (B) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO (G, H, I) PERYLENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO (A) PYRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
CHRYSENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
DIBENZ (A, H) ANTHRACENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
FLUORENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
INDENO(1, 2, 3-CD) PYRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
PYRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
PHENOL	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
4 - METHYLPHENOL	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
1, 3 - DICHLOROBENZENE	ug/L	22	10	EPA 8270C	13-MAY-05	CP
1, 4 - DICHLOROBENZENE	ug/L	1880	10	EPA 8270C	13-MAY-05	CP
1, 2 - DICHLOROBENZENE	ug/L	1880	10	EPA 8270C	13-MAY-05	CP
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	13 - MAY-05	CP
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	13 - MAY-05	CP
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	13 - MAY-05	CP
2 - METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	13 - MAY-05	CP
3, 4 - DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	13 - MAY-05	CP
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	13 - MAY 05	CP
TOTAL DISSOLVED SOLIDS	mg/L	518	10	EPA 160 1	25 - APR-05	STL

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number 155

Contact. RAINER DOMALSKI

Date Received 20-APR-05
Date Reported 20-MAY-05
Invoice Number 34924
Date Collected 19-APR-05

Client ID INFLUENT 4-19-05

Lab ID L36214-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TOTAL SUSPENDED SOLIDS	mg/L	29	4	EPA 160 2	22-APR-05	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	98	10	EPA 8260B	10-MAY-05	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
1,1-DICHLOROETHENE	ug/L	5	5	EPA 8260B	10-MAY-05	YL
CIS-1,2-DICHLOROETHENE	ug/L	2150	5	EPA 8260B	10-MAY-05	YL
TRANS-1,2-DICHLOROETHENE	ug/L	43	5	EPA 8260B	10-MAY-05	YL
CHLOROFORM	ug/L	14	5	EPA 8260B	10-MAY-05	YL
1,2-DICHLOROETHANE	ug/L	49	5	EPA 8260B	10-MAY-05	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	85	5	EPA 8260B	10-MAY-05	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
TRICHLOROETHENE	ug/L	88	5	EPA 8260B	10-MAY-05	YL
BENZENE	ug/L	78	5	EPA 8260B	10-MAY-05	YL
TETRACHLOROETHENE	ug/L	169	5	EPA 8260B	10-MAY-05	YL
TOLUENE	ug/L	15	5	EPA 8260B	10-MAY-05	YL
CHLOROBENZENE	ug/L	45	5	EPA 8260B	10-MAY-05	YL
ETHYLBENZENE	ug/L	5	5	EPA 8260B	10-MAY-05	YL
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
O-XYLENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
ACETONE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
BROMOFORM	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL

Comments Please see Narrative L36214 for comments related to this sample CAR-04-039(SV)

Submitted by
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RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number 155

Contact RAINER DOMALSKI

Date Received 20-APR-05
Date Reported 20-MAY-05
Invoice Number 34924
Date Collected 19-APR-05

Client ID LGAC 2-3 4-19-05

Lab ID L36214-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 042	042	SOP 6 2	13-MAY-05	CP
PHOTOMIREX	ug/L	U 006	006	SOP 6 2	13-MAY-05	CP
MIREX	ug/L	U 002	002	SOP 6 2	13-MAY-05	CP
PH	PH UNITS	8 08	0	EPA 150 1	27-APR-05	SHZ
TOTAL DISSOLVED SOLIDS	mg/L	494	10	EPA 160 1	25 APR-05	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 4	4	EPA 160 2	22-APR-05	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	11-MAY-05	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
BENZENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
TOLUENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
O-XYLENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
ACETONE	ug/L	< 10	10	EPA 8260B	11-MAY-05	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260B	11-MAY-05	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	11-MAY-05	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL

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PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BROMOFORM	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	11-MAY-05	YL
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	11-MAY-05	YL

Comments Please see Narrative L36214 for comments related to this sample

Submitted by
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Lab ID L36214-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
SILVER-LOW LEVEL	mg/L	< 0003	0003	EPA 6020	06-MAY-05	JMS
ALUMINUM-LOW LEVEL	mg/L	0463	0005	EPA 6020	06-MAY-05	JMS
ARSENIC-LOW LEVEL	mg/L	0247	0003	EPA 6020	06-MAY-05	JMS
BERYLLIUM-LOW LEVEL	mg/L	< 0004	0004	EPA 6020	06-MAY-05	JMS
BOD-5 DAY	mg/L	< 2	2	SM 5210	20-APR-05	TGA
CADMIUM-LOW LEVEL	mg/L	< 0003	0003	EPA 6020	06-MAY-05	JMS
CYANIDE-FREE	mg/L	< 005	005	EPA 335 4	27-APR-05	JPB
COD	mg/L	19.8	10	EPA 410 4	22-APR-05	STL
CHROMIUM-LOW LEVEL	mg/L	< .0006	0006	EPA 6020	06-MAY-05	JMS
COPPER-LOW LEVEL	mg/L	00102	001	EPA 6020	06-MAY-05	JMS
IRON-LOW LEVEL	mg/L	599	.0005	EPA 6020	06-MAY-05	JMS
MERCURY	mg/L	< 0002	0002	EPA 7470A	29-APR-05	STL
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 042	042	SOP 6 2	13-MAY-05	CP
PHOTOMIREX	ug/L	U 006	006	SOP 6 2	13-MAY-05	CP
MIREX	ug/L	U 002	002	SOP 6 2	13-MAY-05	CP
AMMONIA	mg/L	.69	1	EPA 350 1	06-MAY-05	STL
NICKEL-LOW LEVEL	mg/L	0195	0006	EPA 6020	06-MAY-05	JMS
OIL & GREASE	mg/L	< 9.1	9.1	EPA 1664A	04-MAY-05	STL

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PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
LEAD-LOW LEVEL	mg/L	< 0003	0003	EPA 6020	06-MAY-05	JMS
PESTICIDE/PCB ANALYSIS						
METHOXYCHLOR	ug/L	< 02	02	EPA 8081A	14-APR-05	KAB
PH	PH UNITS	8.31	0	EPA 150.1	27-APR-05	SHZ
ANTIMONY-LOW LEVEL	mg/L	000531	0004	EPA 6020	06-MAY-05	JMS
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO(A) ANTHRACENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO(K) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
3, 4 - BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO(B) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO(G, H, I) PERYLENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BENZO(A) PYRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
CHRYSENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
DIBENZ(A, H) ANTHRACENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
FLUORENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
INDENO(1, 2, 3-CD) PYRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
PYRENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
PHENOL	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
1, 3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
1, 4-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
1, 2-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
3, 4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	13-MAY-05	CP

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PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TOTAL DISSOLVED SOLIDS	mg/L	488	10	EPA 160 1	25-APR-05	STL
THALLIUM-LOW LEVEL	mg/L	< 0002	0002	EPA 6020	06-MAY-05	JMS
TOTAL ORGANIC CARBON	mg/L	< 1	1	EPA 415 1	30-APR-05	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 4	4	EPA 160 2	22-APR-05	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
CHLOROFORM	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
BENZENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
TOLUENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
O-XYLENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
ACETONE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
2-BUTANONE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
BROMOFORM	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	10-MAY-05	YL

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PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	10-MAY-05	YL
ZINC-LOW LEVEL	mg/L	< 0005	0005	EPA 6020	06-MAY-05	CMS

Comments Please see Narrative L36214 for comments related to this sample

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RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 20-Apr-05
Date Reported 13-May-05
Invoice Number 34924

Contact RAINER DOMALSKI

Date Collected 19-Apr-05

Client ID AGAC 1-2 4-19-05

Lab ID L36214-4

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
BROMODICHLOROMETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
BROMOFORM	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
DIBROMOCHLOROMETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-11	29-Apr-05	STL
DIBROMOMETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
TRANS-1,2-DICHLOROETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
CUMENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
N-PROPYLBENZENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
1,2,3-TRICHLOROPROPANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
DICHLORODIFLUOROMETHANE	ppb (v/v)	< 2.0	2.0	EPA-19 TO-14	29-Apr-05	STL
VINYL CHLORIDE	ppb (v/v)	< 2.0	2.0	EPA-19 TO-14	29-Apr-05	STL
CHLOROETHANE	ppb (v/v)	< 2.0	2.0	EPA-19 TO-14	29-Apr-05	STL
TRICHLOROFLUOROMETHANE	ppb (v/v)	< 2.0	2.0	EPA-19 TO-14	29-Apr-05	STL
1,1-DICHLOROETHENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
1,1,1-DICHLOROETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
CIS-1,2-DICHLOROETHENE	ppb (v/v)	1.2	1.0	EPA-19 TO-14	29-Apr-05	STL
CHLOROFORM	ppb (v/v)	1.1	1.0	EPA-19 TO-14	29-Apr-05	STL
1,1,1-TRICHLOROETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
CARBON TETRACHLORIDE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
BENZENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
1,2-DICHLOROETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
TRICHLOROETHENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
1,2-DICHLOROPROPANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
CIS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
TOLUENE	ppb (v/v)	2.7	1.0	EPA-19 TO-14	29-Apr-05	STL
TRANS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
1,1,2-TRICHLOROETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
TETRACHLOROETHENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
1,2-DIBROMOETHANE (EDB)	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
CHLOROBENZENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
ETHYLBENZENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
M, P-XYLENE	ppb (v/v)	1.4	1.0	EPA-19 TO-14	29-Apr-05	STL
O-XYLENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL
STYRENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	29-Apr-05	STL



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Lab ID L36214-4

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION				TEST DATE	ANALYST
			1 0	1 0	TEST METHOD			
1,1,2,2-TETRACHLOROETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	29-Apr-05	STL		
1,3,5-TRIMETHYLBENZENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	29-Apr-05	STL		
1,3-DICHLOROBENZENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	29-Apr-05	STL		
1,4-DICHLOROBENZENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	29-Apr-05	STL		
1,2-DICHLOROBENZENE	ppb (v/v)	4 4	1 0	EPA-19 TO-14	29 Apr 05	STL		

Submitted by
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Reviewed and Approved by

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Laboratory Manager

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MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	UNITS	ESTIMATED RESULT	RETENTION TIME	TEST METHOD	TEST DATE	ANALYST
UNKNOWN	ppb (v/v)	6 6 NJ	M 4 7541	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	51 NJ	M 4 9102	EPA-19 TO-14	29-Apr-05	STL
BUTANE, 2-METHYL-	ppb (v/v)	9 6 NJ	M 6 0208	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	2 7 NJ	M 6 4372	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	6 2 NJ	M 6 5327	EPA-19 TO-14	29-Apr-05	STL
METHYLENE CHLORIDE	ppb (v/v)	1 9 NJ	M 7 435	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	2 1 NJ	M 9 3611	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	5 3 NJ	M 9 9684	EPA-19 TO-14	29-Apr-05	STL
DECANE	ppb (v/v)	11 NJ	M 19 208	EPA-19 TO-14	29-Apr-05	STL
BENZENE, 1,2,3-TRIMETHYL-	ppb (v/v)	5 9 NJ	M 19 356	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	3 1 NJ	M 19 529	EPA-19 TO-14	29-Apr-05	STL
BENZENE, 1,2,3-TRIMETHYL-	ppb (v/v)	3 3 NJ	M 19 815	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	2 5 NJ	M 19 963	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	3 2 NJ	M 20 136	EPA-19 TO-14	29-Apr-05	STL
UNDECANE	ppb (v/v)	8 5 NJ	M 20 457	EPA-19 TO-14	29-Apr-05	STL
BENZENE, 1-ETHYL-3,5-DIMETHYL-	ppb (v/v)	2 8 NJ	M 20 527	EPA-19 TO-14	29-Apr-05	STL
UNKNOWN	ppb (v/v)	1 8 NJ	M 20 648	EPA-19 TO-14	29-Apr-05	STL

M Result was measured against nearest internal standard assuming a response factor of 1

Submitted by
Exxygen Research
Reviewed and Approved by

Charles Simons
Laboratory Manager

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RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 20-Apr-05
Date Reported 13-May-05
Invoice Number 34924

Contact RAINER DOMALSKI

Date Collected 19-Apr-05

Client ID AGAC F 4-19-05

Lab ID L36214-5

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
BROMODICHLOROMETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
BROMOFORM	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
DIBROMOCHLOROMETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
DIBROMOMETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
TRANS-1,2-DICHLOROETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
CUMENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
N-PROPYLBENZENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
1,2,3-TRICHLOROPROPANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
DICHLORODIFLUOROMETHANE	ppb (v/v)	< 2 0	2 0	EPA-19 TO-14	30-Apr-05	STL
VINYL CHLORIDE	ppb (v/v)	< 2 0	2 0	EPA-19 TO-14	30-Apr-05	STL
CHLOROETHANE	ppb (v/v)	< 2 0	2 0	EPA-19 TO-14	30-Apr-05	STL
TRICHLOROFLUOROMETHANE	ppb (v/v)	< 2 0	2 0	EPA-19 TO-14	30-Apr-05	STL
1,1-DICHLOROETHENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
1,1-DICHLOROETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
CIS-1,2-DICHLOROETHENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
CHLOROFORM	ppb (v/v)	1 2	1 0	EPA-19 TO-14	30-Apr-05	STL
1,1,1-TRICHLOROETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
CARBON TETRACHLORIDE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
BENZENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
1,2-DICHLOROETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
TRICHLOROETHENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
1,2-DICHLOROPROPANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
CIS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1 0	1.0	EPA-19 TO-14	30-Apr-05	STL
TOLUENE	ppb (v/v)	1 3	1.0	EPA-19 TO-14	30-Apr-05	STL
TRANS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
1,1,2-TRICHLOROETHANE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
TETRACHLOROETHENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
1,2-DIBROMOETHANE (EDB)	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
CHLOROBENZENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
ETHYLBENZENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL
M, P-XYLENE	ppb (v/v)	3 0	1 0	EPA-19 TO-14	30-Apr-05	STL
O-XYLENE	ppb (v/v)	1 1	1 0	EPA-19 TO-14	30-Apr-05	STL
STYRENE	ppb (v/v)	< 1 0	1 0	EPA-19 TO-14	30-Apr-05	STL



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Contact RAINER DOMALSKI

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Client ID AGAC F 4-19-05

Lab ID L36214-5

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION				TEST DATE	ANALYST
			QUANTITATION	TEST METHOD	TEST DATE	ANALYST		
1,1,2,2-TETRACHLOROETHANE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	30-Apr-05	STL		
1,3,5-TRIMETHYLBENZENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	30-Apr-05	STL		
1,3-DICHLOROBENZENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	30-Apr-05	STL		
1,4-DICHLOROBENZENE	ppb (v/v)	< 1.0	1.0	EPA-19 TO-14	30-Apr-05	STL		
1,2-DICHLOROBENZENE	ppb (v/v)	8.8	1.0	EPA-19 TO-14	30-Apr-05	STL		

Submitted by
Exygen Research
Reviewed and Approved by

Charles Simons
Laboratory Manager



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MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	UNITS	ESTIMATED RESULT	RETENTION TIME	TEST METHOD	TEST DATE	ANALYST
UNKNOWN	ppb (v/v)	76 NJ	M 4 9139	EPA-19 TO-14	30-Apr-05	STL
UNKNOWN	ppb (v/v)	2 2 NJ	M 5 0354	EPA-19 TO-14	30-Apr-05	STL
BUTANE-2-METHYL-	ppb (v/v)	4 2 NJ	M 6 0245	EPA-19 TO-14	30-Apr-05	STL
UNKNOWN	ppb (v/v)	3 7 NJ	M 6 4236	EPA-19 TO-14	30-Apr-05	STL
UNKNOWN	ppb (v/v)	3 0 NJ	M 6 5364	EPA-19 TO-14	30-Apr-05	STL
METHYLENE CHLORIDE	ppb (v/v)	2 2 NJ	M 7 4387	EPA-19 TO-14	30-Apr-05	STL
UNKNOWN	ppb (v/v)	1 7 NJ	M 9 3648	EPA-19 TO-14	30-Apr-05	STL

M Result was measured against nearest internal standard assuming a response factor of 1

Submitted by
Exygen Research
Reviewed and Approved by

Charles Simons
Laboratory Manager

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NARRATIVE

Exygen Research (PADEP ID# 14-347) Project: L36214

Sample Receipt:

Samples were received on April 20, 2005. The water samples were received in one sample cooler at 3.7°C. The air sample canisters were received in a cardboard box at ambient temperature.

Sample Analysis:

EPA Method 8270: Surrogates 2-Fluorophenol, and 2-Fluorobiphenyl were recovered outside of acceptable ranges for sample L36214-1. Surrogate 2-Fluorophenol was recovered at 10%. The acceptance range for this surrogate is 21-110%. Surrogate 2-Fluorobiphenyl was recovered at 42%. The acceptance range for this surrogate is 43-116%. There were no other problems related to the analysis of these samples.

Holding Times:

Due to a laboratory error the following analyses were done outside of holding times: volatile organics by EPA 8260, semivolatiles by EPA 8270, methoxychlor by EPA 8081A, and mirex, photomirex, kepone by SOP 6.2. All other analyses were done within holding times.

Sub-contract Laboratories:

Todd Giddings and Associates of State College, PA (PADEP ID# 14-321) performed the BOD analysis on these samples.

Severn Trent Laboratories (STL) of Pittsburgh, PA (PADEP ID# 02-416) performed the COD, total organic carbon, total suspended solids, total dissolved solids, mercury, ammonia nitrogen, and oil and grease analysis.

Severn Trent Laboratories (STL) of Knoxville, TN (PADEP ID# 68-576) performed the GC/MS volatiles (air) analysis.